

SJW

WHAT IS CLAIMED IS:

1. A motor mount for an electric motor having a shaft that drives an endless belt, the mount comprising:
 - a) a pivoting platform adapted for attaching the motor thereto;
 - b) an elongate cylindrical sleeve affixed to the underside of the platform, the sleeve having a long axis parallel to the shaft;
 - c) a base;
 - d) an elongate axle attached to the base and received in the sleeve;
 - e) means facilitating rotation of the sleeve on the axle; and
 - f) spring means interposed between the platform and the base for applying spring bias therebetween at a distance from the axis of at least twenty centimeters to springably resist the pull of the belt on the motor.
2. The motor mount according to claim 1 in which the spring means is a coil spring.
3. The motor mount according to claim 2 in which the spring means is a compression coil spring.
4. The motor mount according to claim 3 in which the spring means is provided with non-metallic bearing means to prevent metal to metal wear.
5. The motor mount according to claim 1 in which the spring means is a leaf spring.
6. The motor mount according to claim 5 in which the leaf spring has a first end attached to the base and a second end slidingly engaging the platform.
7. The motor mount according to claim 5 in which the leaf spring has a first end attached to the platform and a second end slidingly engaging the base.
8. A pivoting motor mount for mounting on a support an electric motor having a shaft that drives an endless belt, the motor mount comprising:
 - a) a pivoting platform adapted for attaching the motor thereto;
 - b) a base for mounting on the support;
 - c) pivotal connecting means between the base and the platform for pivoting the platform about an axis parallel to the shaft; and

- d) spring means interposed between the platform and the base away from the pivotal connecting means for applying spring bias therebetween to springably resist the pull of the belt on the motor.
 - 9. The motor mount according to claim 8 in which the spring means is a coil spring.
 - 10. The motor mount according to claim 9 in which the spring means is a compression coil spring.
 - 11. The motor mount according to claim 10 in which the spring means is provided with non-metallic bearing means to prevent metal to metal wear.
 - 12. The motor mount according to claim 8 in which the spring means is a leaf spring.
 - 13. The motor mount according to claim 12 in which the leaf spring has a first end attached to the base and a second end slidingly engaging the platform.
 - 14. The motor mount according to claim 12 in which the leaf spring has a first end attached to the platform and a second end slidingly engaging the base.
 - 15. A pivoting mount for mounting on a support an electric motor having a shaft that drives an endless belt, the mount comprising:
 - a) a pivoting platform adapted for attaching the motor thereto;
 - b) a base for mounting on the support;
 - c) pivotal connecting means between the base and the platform for pivoting the platform about an axis parallel to the shaft; and
 - d) spring means interposed between the platform and the base for applying spring bias therebetween at a distance from the axis of at least twenty centimeters to springably resist the pull of the belt on the motor
 - 16. The motor mount according to claim 15 in which the spring means is a compression coil spring.
 - 17. The motor mount according to claim 16 in which the spring means is provided with non-metallic bearing means to prevent metal to metal wear.
 - 18. The motor mount according to claim 15 in which the spring means is a leaf spring.
 - 19. The motor mount according to claim 18 in which the leaf spring has a first end attached to the base and a second end slidingly engaging the platform.

20. The motor mount according to claim 18 in which the leaf spring has a first end attached to
the platform and a second end slidingly engaging the base.